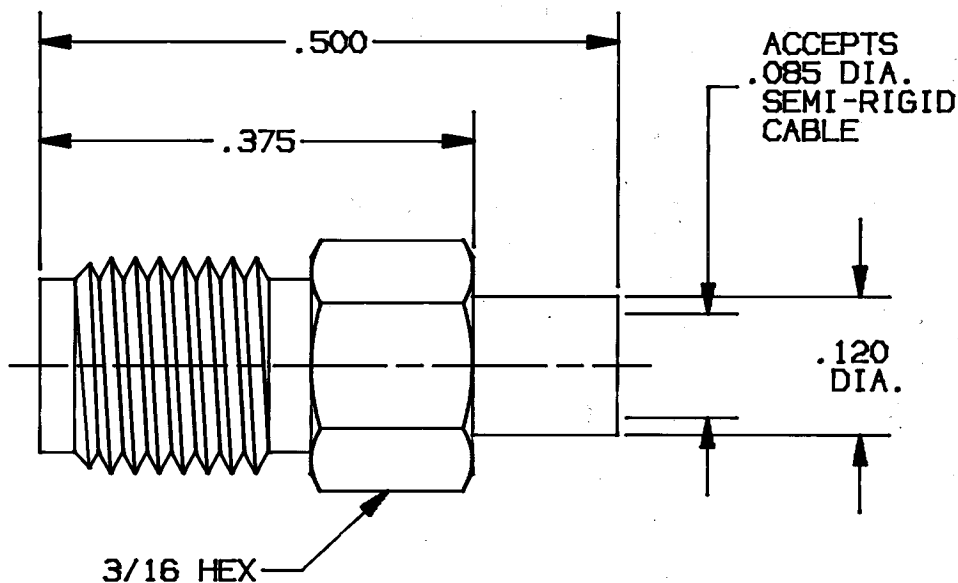


ENG. FILE COPY

CONFIGURATION (TOLERANCE +/- .005 UNLESS OTHERWISE SPECIFIED)



SSMA CONNECTOR FOR .085 SEMI-RIGID CABLE, DIRECT SOLDER

DWG. NO.

2721-6002

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS)	50
FREQUENCY RANGE (GHZ)	DC TO 18.0
VOLTAGE RATING (MAX. VRMS)	250
VSWR (MAX.)	1.05 + .010xFGHz
INSERTION LOSS (DB MAX.)	.04
RF LEAKAGE (MIN. DB DOWN)	100 DB-FGHz
RF HIGH POTENTIAL (MAX. VRMS)	500 AT 5 MHz
DIELECTRIC WITHSTANDING VOLT. (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5000
CONTACT RESISTANCE:	
CENTER CONTACT (MAX. MILLIOHMS)	4.0
OUTER CONTACT (MAX. MILLIOHMS)	2.0

MECHANICAL:

INTERFACE DIMENSIONS	PER MIL-C-39012/SSMA SERIES & S/M MD-114
RECOMMENDED MATING TORQUE	6-8 In. lbs
CENTER CONTACT AXIAL FORCES:	
INSERTION (MAX. OUNCES)	40
WITHDRAWAL (MIN. OUNCES)	1.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
CONNECTOR ENGAGEMENT & DISENGAGEMENT (MAX. INCH LBS.)	2.0
CENTER CONTACT CAPTIVATION	N/A

ENVIRONMENTAL:

TEMP. RATING (DEGREES CENTIGRADE)	* -65° TO +105°C
VIBRATION (MIL-STD-202, METHOD 204, CONDITION D, 20G'S)	
SHOCK (MIL-STD-202, METHOD 213, COND. I, 100G'S)	
TEMP. CYCLING (MIL-STD-202, METHOD 107, COND. B, -65c TO 115° C)	
MOISTURE RESISTANCE (MIL-STD-202, METHOD 106, LESS STEP 7B)	
BAROMETRIC PRESSURE (ALTITUDE) MIL-STD-202, METHOD 105, COND. C, 70,000 FT., 190 VRMS)	
HERMETICITY	N/A
* CONN. IS DERATED FROM +165°C WHEN USED WITH CABLE SPECIFIED. CABLE ASSEMBLY INSTRUCTIONS PER S/M 300-80-228.	

MATERIAL & FINISH:

BODY: STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A.
 GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C,
 CLASS 1, OVER NICKEL PER MIL-C-26074, CLASS 1.

CONTACT: BERYLLIUM COPPER PER QQ-C-530, COND. H, ALLOY 360. GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 2; OVER COPPER PER MIL-C-14550, CLASS 4.

INSULATOR: TEFLON PER ASTM-D1710 & L-P-403, TYPE 1.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
—	REL.F-11671	11/89	RPA	DWG	RPA
A	REV.F-11721	2/90	RG	DATE 10/26/89	DATE 11/6/89

SOLITRON MICROWAVE
 1167 BLUE HERON BLVD.
 RIVIERA BEACH, FL., 33404

DWG. NO.

2721-6002